

Wildlife Management

Course Description:

A course that provides students the opportunity to increase awareness of the principles of wildlife management and conservation. Students will closely examine ecological concepts, habitat management, wildlife species identification, and recreational opportunities that the environment and wildlife provide us with. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Course Code: 013001

Endorsements

to teach: AFNR

Programs of Study to which this Course applies:

Environmental and Natural Resources

Environmental and Natural Resources Plus

AFNR.HS.3.1	
Plan and conduct natural resource management activities that apply logical, reasoned and scientifically based solutions to natural resource issues and goals.	
AFNR.HS.3.1.b	Explain population levels and carrying capacity.
AFNR.HS.3.1.f	Identify and classify common species of wildlife and fauna found in Nebraska.
AFNR.HS.3.1.g	Identify and classify common grasses, forbes, shrubs and trees found in Nebraska ecosystems.
AFNR.HS.3.1.h	Choose and employ lab equipment (microscope, colorimeter, balance, hot plate, incubator, etc.) to conduct natural resources research.
AFNR.HS.3.2	
Analyze the interrelationships between natural resources and humans.	
AFNR.HS.3.2.d	Recognize the role of local, state, and national agencies/organizations in the management of our local resources.
AFNR.HS.3.2.e	Associate farming methods with different environmental conditions.
AFNR.HS.3.2.h	Examine natural resources and environmental careers.
AFNR.HS.3.2.i	Communicate thoughts and feelings with others regarding environmental and natural resources using verbal and nonverbal communication.
AFNR.HS.3.3	
Develop plans to ensure sustainable production and processing of natural resources.	
AFNR.HS.3.3.a	Identify the components that comprise ecosystems.
AFNR.HS.3.3.j	Discuss the role of food chains in maintaining balanced ecosystems.
AFNR.HS.3.4	
Demonstrate responsible management procedures and techniques to protect, maintain, enhance, and improve natural resources.	
AFNR.HS.3.4.b	Identify the efforts being made to keep non-native species out of a local area.
AFNR.HS.3.4.c	Identify non-native and invasive species to Nebraska.
AFNR.HS.3.4.d	Calculate the financial cost of non-native species.
AFNR.HS.3.4.e	List the benefits to programs that add to wildlife health and add income to property.
AFNR.HS.3.5	
Understand management techniques for Nebraska's natural resources.	
AFNR.HS.3.5.a	Develop an understanding of the impact and importance of Natural Resources to the people of Nebraska.
AFNR.HS.3.6	
Analyze how natural resources impact the economy.	
AFNR.HS.3.6.a	Associate the importance of environments and wildlife to local economy and recreational activities.
AFNR.HS.CR.1	
Describe career opportunities and means to achieve those opportunities in each of the AFNR career pathways.	
AFNR.HS.CR.1.a	Evaluate and implement the steps and requirements to pursue a career opportunity in an AFNR career pathway.

AFNR.HS.CR.1.b	Examine and choose career opportunities that are matched to personal life skills, talents, and career goals in an AFNR pathway of interest.
AFNR.HS.CR.2	
Demonstrate employability skills for college and career readiness.	
AFNR.HS.CR.2.a	Model personal responsibility in the workplace and community.
AFNR.HS.CR.2.d	Synthesize information, knowledge and experience to generate original ideal and challenge assumptions in the workplace and community.
AFNR.HS.CR.2.e	Apply reason and logic to evaluate workplace and community situations from multiple perspectives.
AFNR.HS.CR.2.f	Investigate, prioritize and select solutions to solve problems in the workplace community.
AFNR.HS.CR.2.g	Contribute to team-oriented projects and builds consensus to accomplish results using cultural global competence in the workplace and community.
AFNR.HS.CR.3	
Identify and demonstrate personal financial management and planning.	
AFNR.HS.CR.3.a	Design and implement a personal financial management plan.
AFNR.HS.CR.4	
Identify and demonstrate workplace safety.	
AFNR.HS.CR.4.a	Identify and explain the implication of required regulations to maintain and improve safety, health and environments management systems.
AFNR.HS.CR.4.b	Apply health and safety practices to AFNR workplaces.
AFNR.HS.CR.4.c	Use appropriate protective equipment and demonstrate safe and proper use of AFNR tools and equipment.
AFNR.HS.CR.5	
Evaluate the nature and scope of the AFNR Career Cluster and the role of agriculture, food and natural resources (AFNR) in society and the economy.	
AFNR.HS.CR.5.b	Identify public policies and examine their impact on AFNR systems.
AFNR.HS.CR.5.c	Examine the components of the AFNR systems and assess their impact on the local, state, national and global society and economy.
AFNR.HS.CR.6	
Identify and demonstrate leadership skills and traits in demand of leadership roles in the agriculture industry.	
AFNR.HS.CR.6.b	Craft SMART goals to achieve by the end of a specific agricultural education course.
AFNR.HS.CR.6.c	Write a career objective.
AFNR.HS.CR.6.f	Write and deliver a speech focused on a currently controversial topic within the agricultural industry while arguing both points of view.